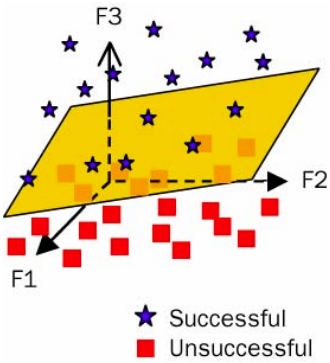
Advanced Materials & Processes Technology IAC (AMPTIAC)

AMPTIAC Story 1 Story 2

AMPTIAC is Enhancing the U.S. Air Force's SBIR Program with the Development of a New Management Tool



AMPTIAC scientists and engineers are working with officials of the U.S. Air Force Research Laboratory's (AFRL) Small Business Innovative Research (SBIR) program to develop a management analysis system to objectively quantify the success of selected Phase II SBIR projects. To do this, AMPTIAC is collaborating with key personnel at U.S. Air Force installations around the country who are providing information by which metrics for each SBIR project will be developed.

Continued on Story 1

AMPTIAC Provides U.S. Air Force with Information and Analysis Essential to Long-Term Performance of Liquid Rocket Fuel Storage Tanks

AMPTIAC performed extensive evaluations on a series of liquid rocket fuel tanks for the U.S. Air Force Research Laboratory's Propulsion Directorate at Edwards AFB.

Continued on Story 2

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AMPTIAC Story 1 Story 2

AMPTIAC is Enhancing the U.S. Air Force's SBIR Program with the Development of a New Management Tool (continued)

AMPTIAC personnel are developing a statistically-based, numerical model which, in combination with AMPTIAC's extensive experience in information and program management, plus the data collected from numerous SBIR projects, will provide quantifiable measures of the benefits SBIRs deliver to the warfighter. This is the first effort of its kind within the DoD. When completed, the knowledge gained could be applied to benefit the SBIR programs of other Government agencies.

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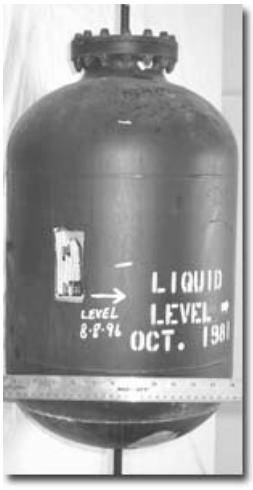
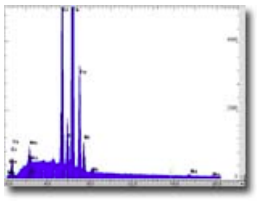


Having been in service for 30 years, the tanks contained common oxidizing components of liquid rocket fuel. AMPTIAC metallurgists examined the tank materials for long-term exposure effects of the propellants. The U.S. Air Force will use this information to help design future spacecraft that will safely operate over long periods of time.



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